

UAS for whale health assessment



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Health Assessment

Diagnostic images

Whale blow sampling

Ecosystem health

Diagnostic images?



Diagnostic images?





Right whale entanglements



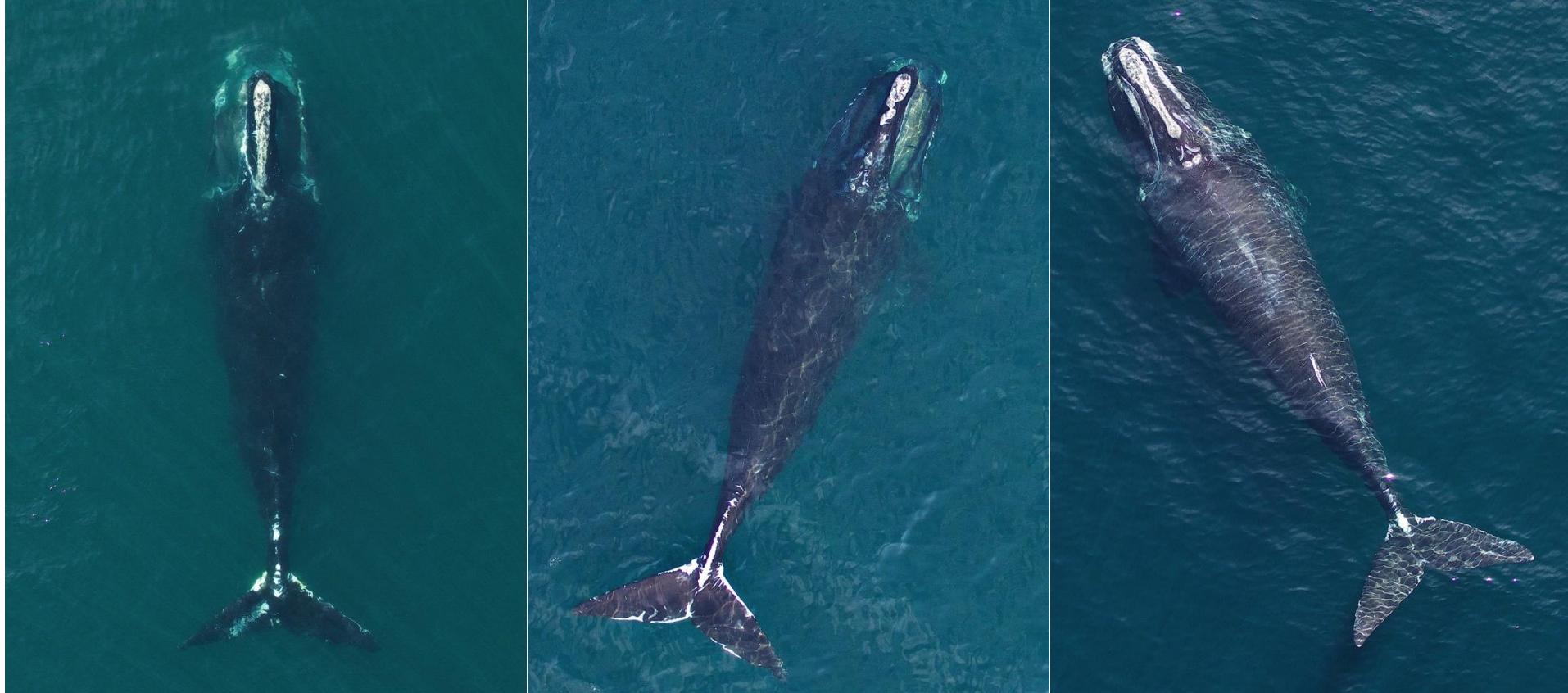


Right whale entanglements





Right whale entanglements





Entanglement response





Entanglement response



Entanglement response

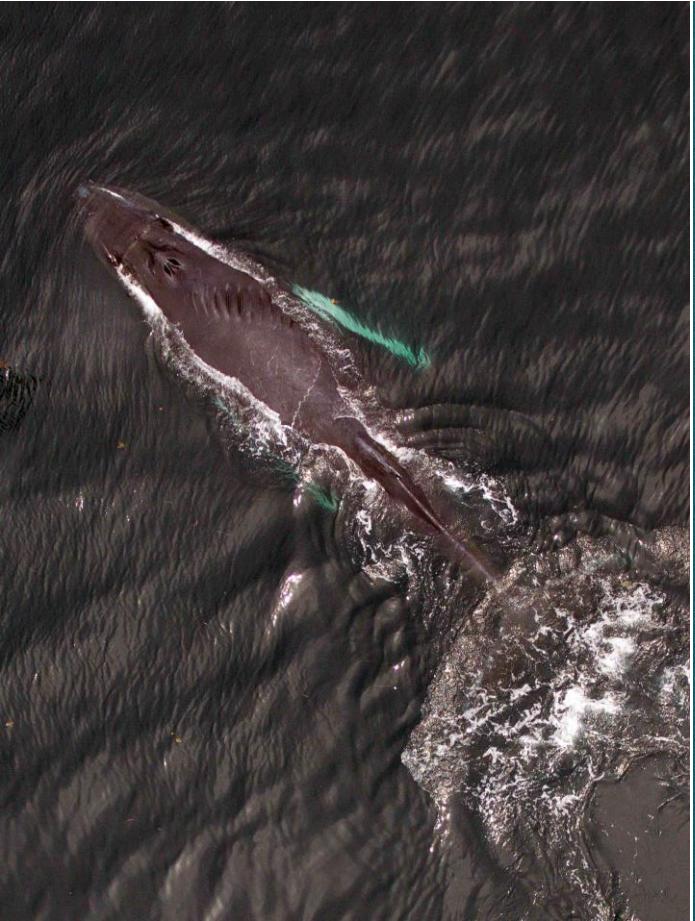


Detecting ship-strikes



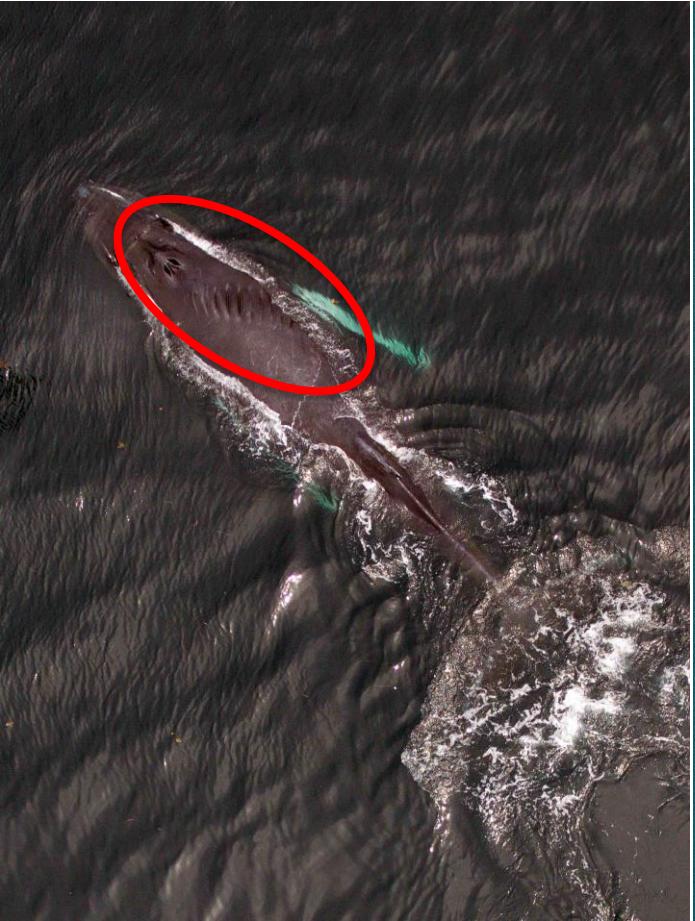


Detecting ship-strikes





Detecting ship-strikes

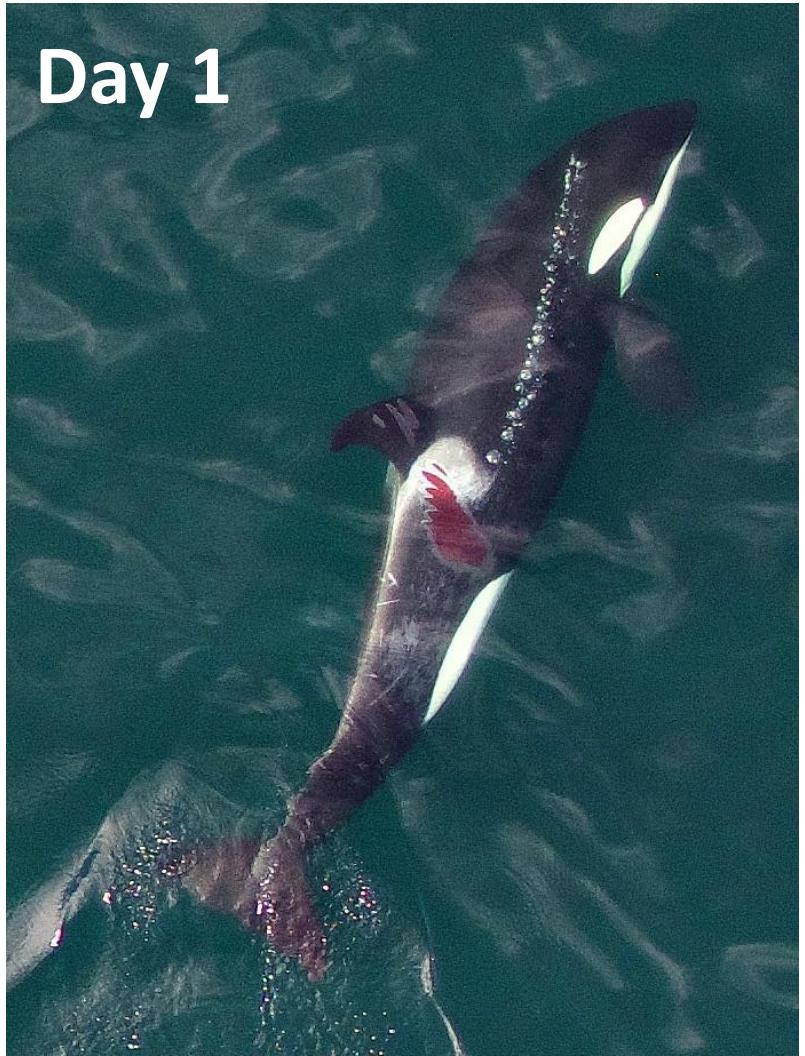




Monitoring healing



Day 1



Day 5





News > Plants & Animals > Drones give whales a breathalyzer test

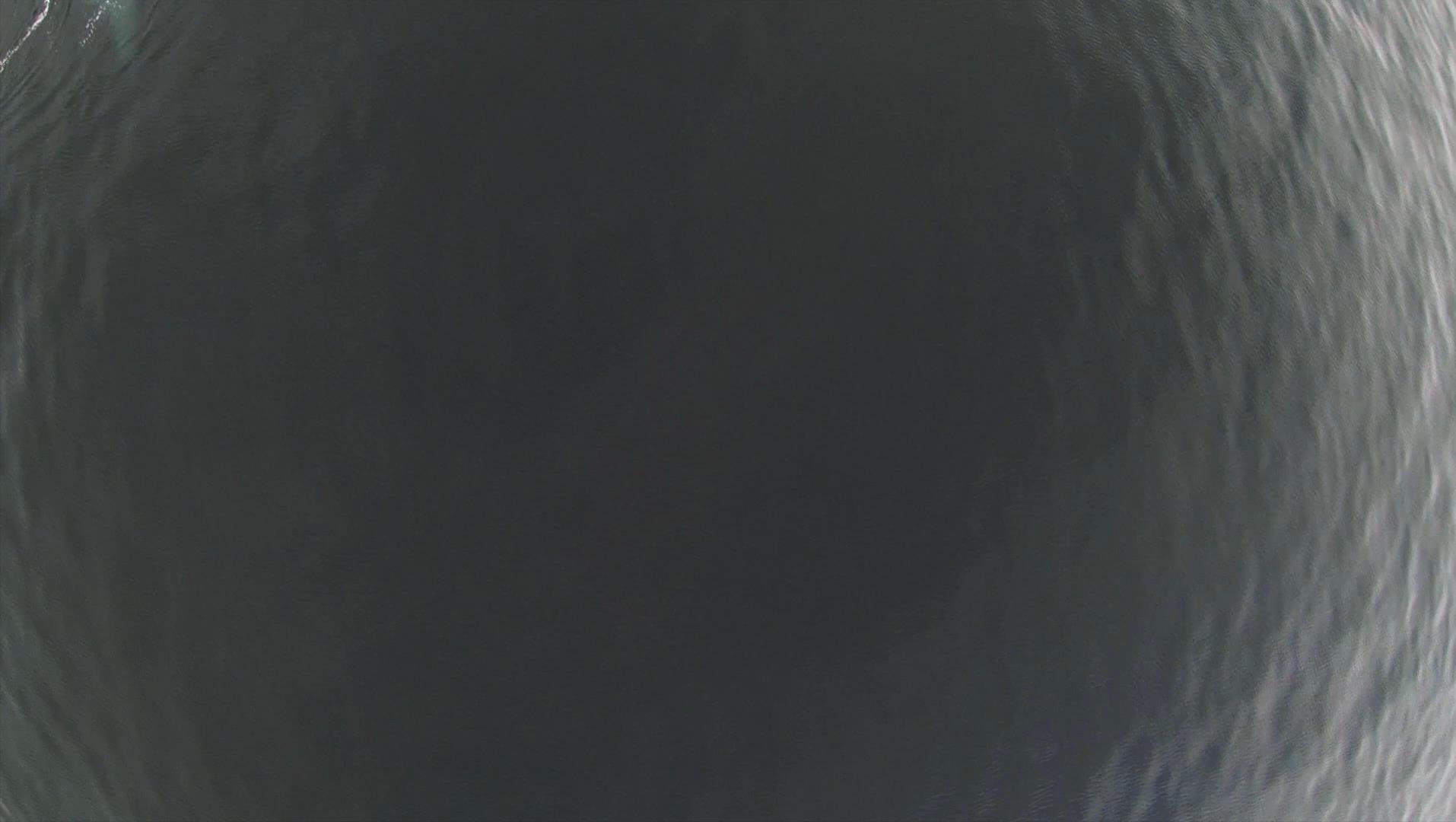
SCIENCESHOT



PHOTO BY MICHAEL MOORE, WOODS HOLE OCEANOGRAPHIC INSTITUTION; ACQUIRED UNDER NATIONAL MARINE FISHERIES SERVICE PERMIT 17355-01 AND NOAA CLASS G FLIGHT AUTHORIZATION 2015-ESA-4-NOAA

ADVERTISEMENT

Drones give whales a breathalyzer test





Collection apparatus

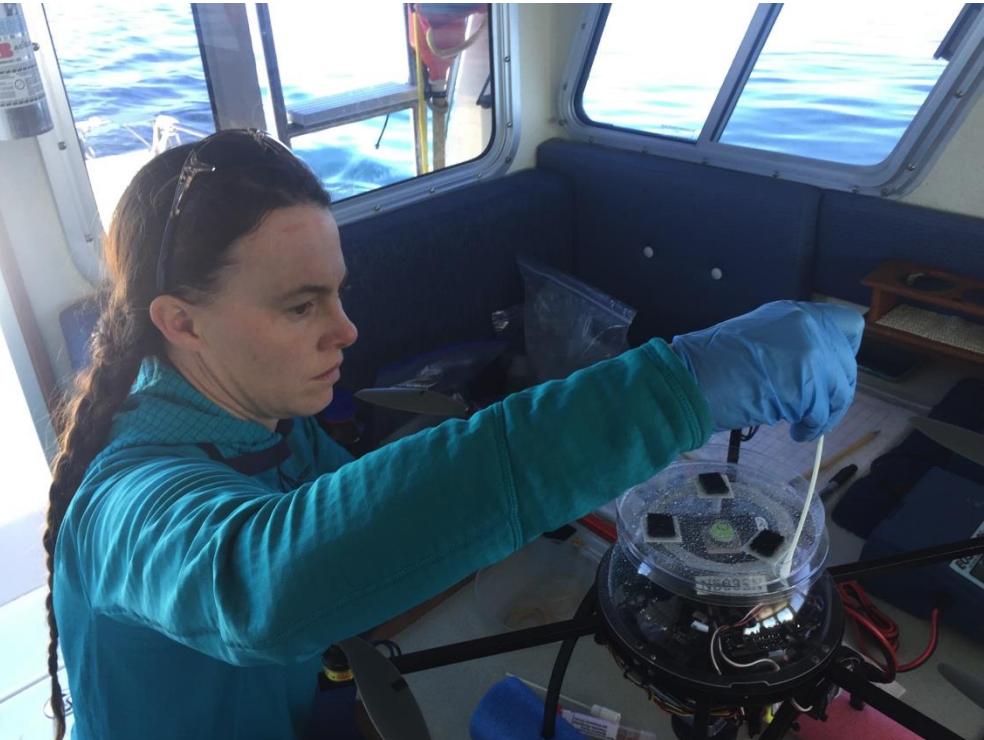
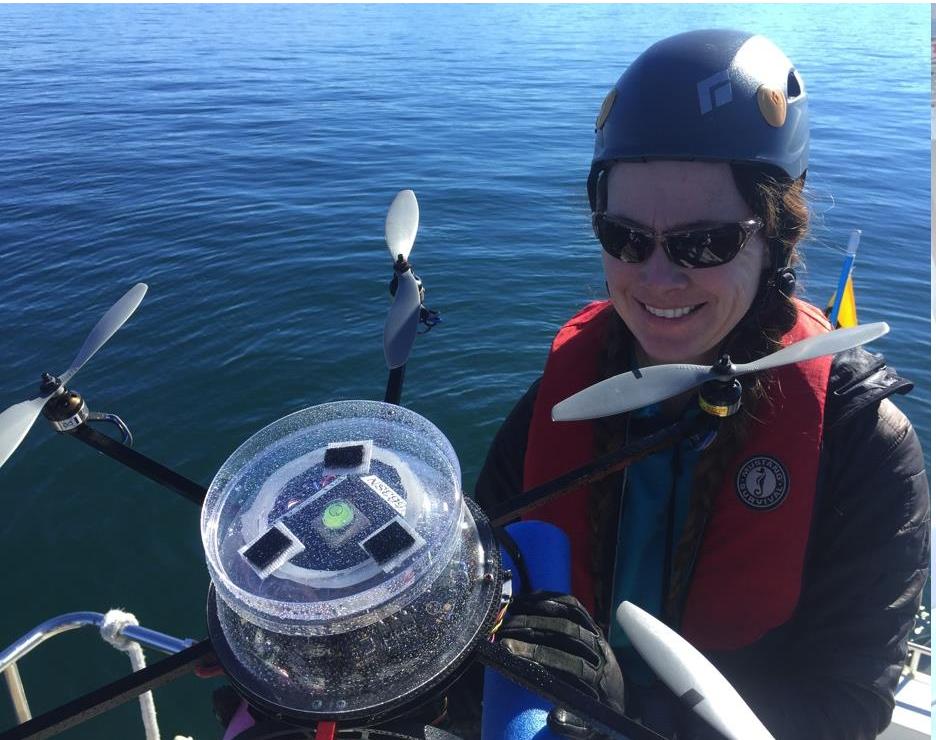


Blow collection

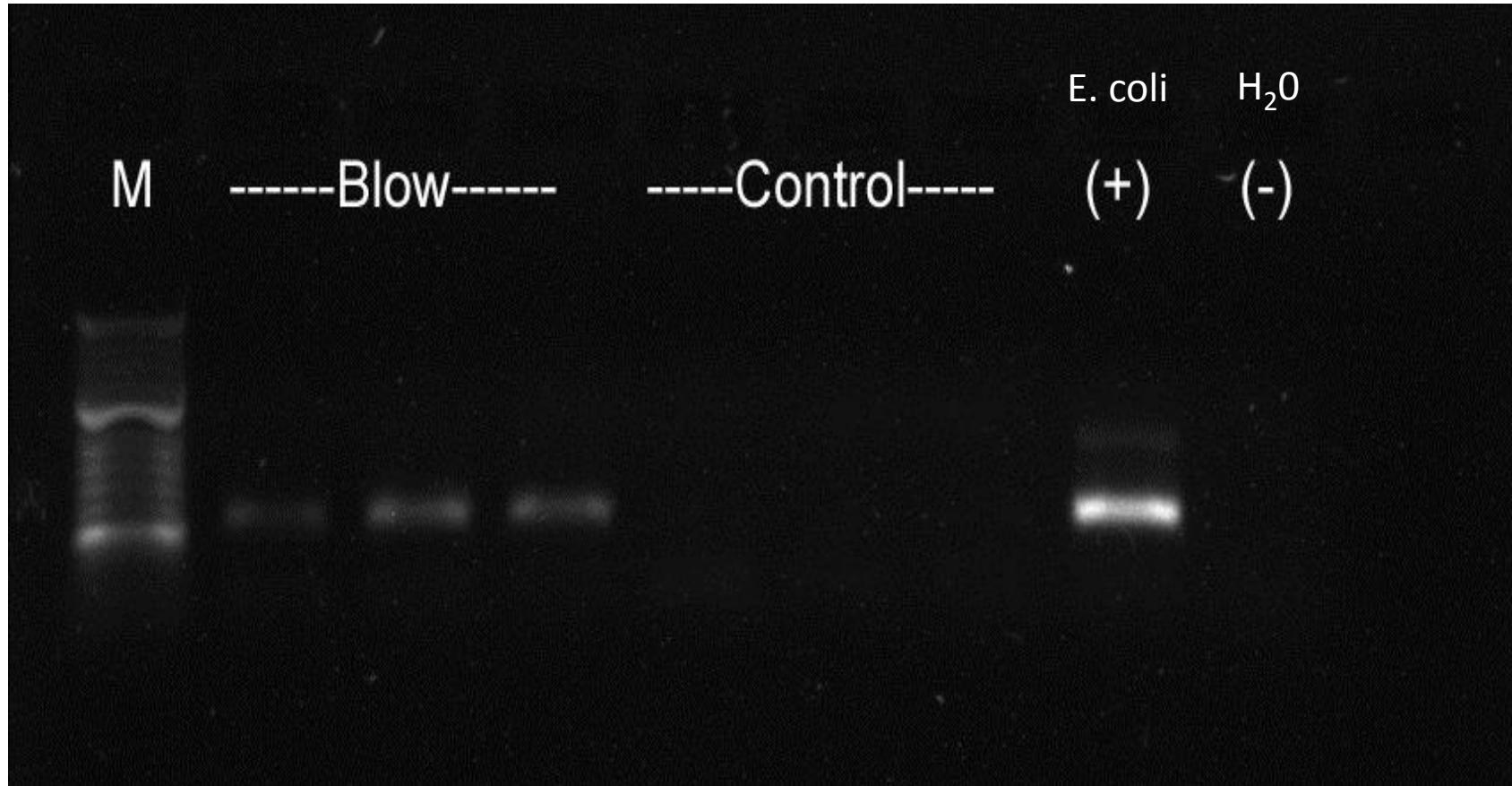




Blow collection



Respiratory microbiome

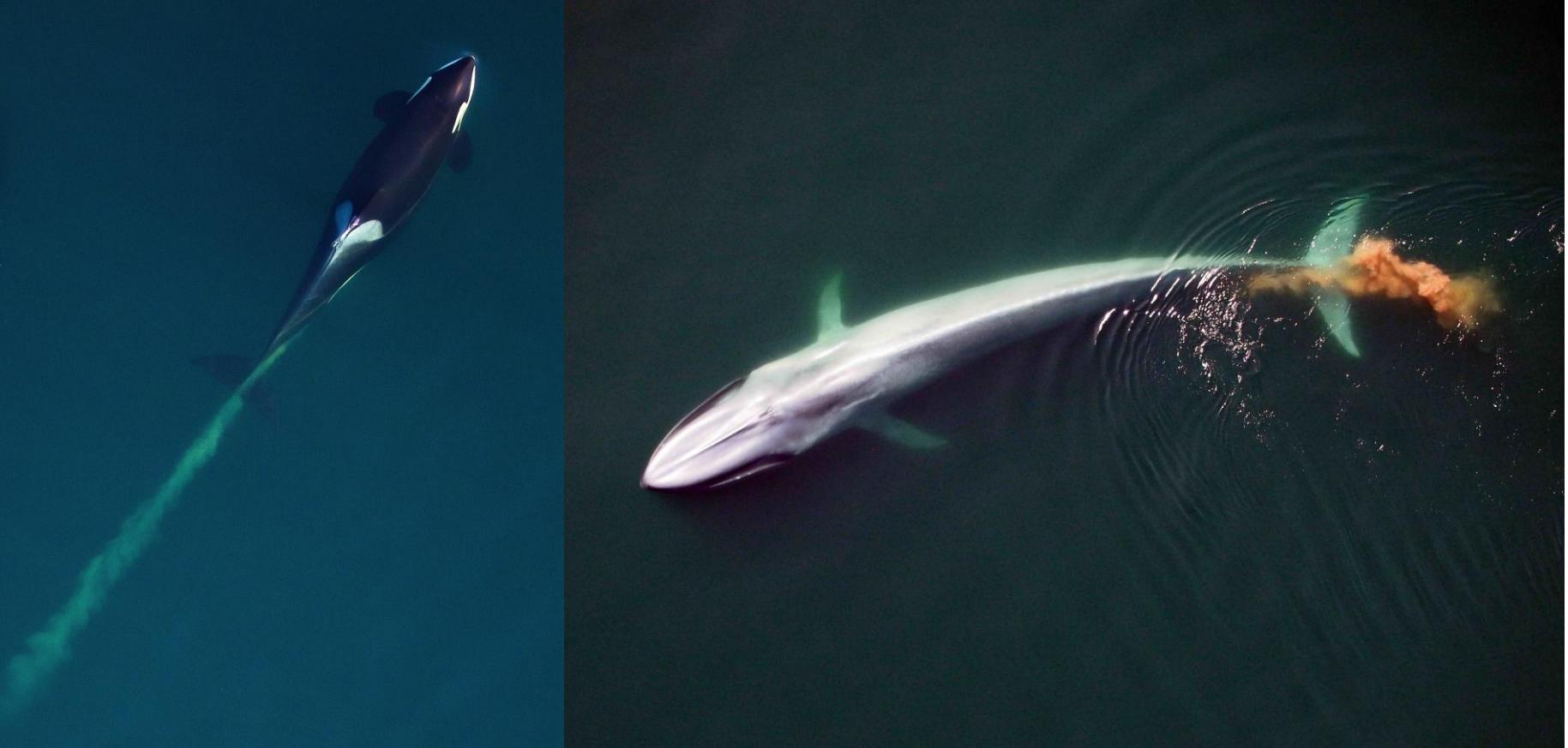


Macro-parasites: whale lice





Ecosystem health



Endangered Whales – Endangered Salmon







Thanks!

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NOAA AOC & OMAO
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